Similar Figures
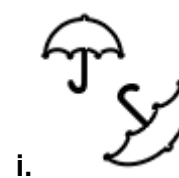
1. Are the following figures congruent, similar, or neither?

a.

b.

c.

d.

e.

f.

g.

h.

i.
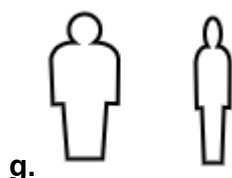
2. When you follow these instructions, is the resulting triangle similar to the original, congruent, or neither?
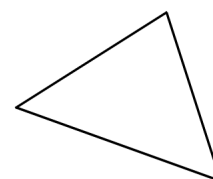
a. You draw a copy of this triangle, but while drawing, your paper is upside down.

b. You draw a new triangle using the same angle measurements as in this triangle but different side lengths.

c. You draw a new triangle using one same angle measurement as in this triangle but two the other two angles are not the same.

d. You draw a new triangle so that its sides are exactly double as long as the sides in the original triangle.

3. Draw a larger copy of this quadrilateral. Let each side be exactly 1.5 as long as the sides in the original. Your copy will be (similar/congruent) to the original one.
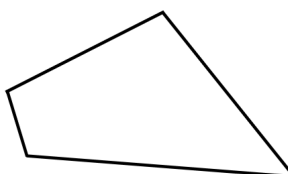
4. Draw a smaller copy of this parallelogram. Let each side be exactly 0.7 as long as the sides in the original. Your copy will be (similar/congruent) to the original one.